Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_ Block:\_\_\_\_\_\_\_

Lab Sheet: Observation and Conclusions

Acid/Base Lab

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Tube | Solution | Blue Litmus | Red Litmus | pH paper |
| 1. | AMMONIA |  |  |  |
| 2. | EPSON SALT |  |  |  |
| 3. | HYDROGEN PEROXIDE |  |  |  |
| 4. | ICE TEA |  |  |  |
| 5. | GINGER ALE |  |  |  |
| 6. | BAKING SODA SOLUTION |  |  |  |
| 7. | MILK |  |  |  |
| 8. | VITA COCA |  |  |  |
| 9. | APPLE JUICE |  |  |  |
| 10. | 5% BLEACH SOLUTION |  |  |  |
| 11. | DISHWASHING SOAP |  |  |  |
| 12. | VINEGAR |  |  |  |
| 13. | ORANGE JUICE |  |  |  |
| 14. | ROOT BEER |  |  |  |

Solutions: Vinegar Ammonia Orange Juice Ginger Ale

Dishwashing Soap Baking Soda solution 5% Bleach solution

Milk Epsom Salt Apple Juice Root Beer Ice Tea

Vita Coca Hydrogen Peroxide

Conclusions

• Which of the household solutions are acids? Which are bases? How did you determine this?

• Describe how acids and bases affect the color of blue and red litmus.

• Discuss the advantages and disadvantages of litmus paper and pH Paper. Which indicator do you think is better?